

XP-002311204

(C) WPI/Derwent

AN - 1997-103672 [10]

AP - JP19950146403 19950613

CPY - KAWF

DC - A96 A97 D21 D25 E16

DR - 0370-S 1068-S 1131-S

FS - CPI

IC - A61K7/00 ; A61K7/06 ; A61K7/08 ; A61K7/09 ; A61K7/40 ; B01F17/22 ;
B01F17/42 ; B01J31/02 ; C07B61/00 ; C07C231/02 ; C07C231/12 ;
C07C233/18 ; C07C233/20 ; C09K3/00 ; C11D1/52

MC - A10-E17 A12-V04 A12-W12A A12-W12B A12-W12C D08-B D11-A03A5 E10-D03C

M3 - [01] A111 A960 C710 M411 M730 M903 Q421

- [02] H4 H401 H481 H581 H582 H583 H584 H589 H721 H8 J0 J011 J3 J371
M220 M221 M222 M223 M224 M225 M226 M231 M232 M233 M262 M281 M312 M313
M321 M322 M323 M331 M332 M342 M383 M391 M392 M393 M416 M620 M710 M720
M903 M904 N205 N209 N241 N242 N262 N309 N331 N342 N422 N441 N513 N520
Q254 Q273 Q608 Q615 Q616 Q619; 9710-B4301-N 9710-B4301-P

PA - (KAWF) KAWAKEN FINE CHEM CO LTD

PN - JP8337560 A 19961224 DW199710 C07C233/18 049pp

PR - JP19950146403 19950613

XA - C1997-033268

XIC - A61K-007/00 ; A61K-007/06 ; A61K-007/08 ; A61K-007/09 ; A61K-007/40 ;
B01F-017/22 ; B01F-017/42 ; B01J-031/02 ; C07B-061/00 ; C07C-231/02 ;
C07C-231/12 ; C07C-233/18 ; C07C-233/20 ; C09K-003/00 ; C11D-001/52

XR - 2004-471303

AB - JP08337560 A mixt. of polyoxypropylene fatty acid alkanol amide cpd of
formula $\text{RCONH}(\text{CH}_2\text{CH}_2\text{O})_p(\text{EO})_m(\text{PO})_n\text{H}$ (I) ($m = 0$ or < 1 and $n = 0.3-10$)
is new. R = 7-21C (un)satd hydrocarbon; EO = oxyethylene; PO = 3C
oxyalkylene; $p = 1$ or 2 ; $m = 0$ or integral number of more than 1; $n =$
 0 or integral number of more than 1. Also claimed is the prepn. of (I)
by (i) reacting fatty acid alkyl ester of formula RCOOR_1 (II) with
alkanolamine of formula $\text{H}_2\text{N}(\text{CH}_2\text{CH}_2\text{O})_p\text{H}$ (III) in the presence of basic
catalyst to give a mixt contg fatty acid alkanol amide of formula
 $\text{RCONH}(\text{CH}_2\text{CH}_2\text{O})_p\text{H}$ (IV); (ii) additional reaction of (IV) with 0-1 fold
mole of ethyleneoxide to give a mixt of polyoxyethylene fatty acid
alkanol amide of formula $\text{RCONH}(\text{CH}_2\text{CH}_2\text{O})_p(\text{EO})_m\text{H}$ (V); and (iii)
additional reaction of (V) with 0.3-10 fold mole of propylene-oxide.
 $\text{R}_1 = 1-3\text{C alkyl}$.

- USE - (I) is used as thickener, foaming stabiliser, emulsifier,
dispersion, solubilising agent, cosmetic material or washing compsns.

- ADVANTAGE - (I) is easily handled with low m.pt. and stable in a wide
range of pH. It scarcely causes eye membrane irritation. It has
excellent viscosity, foaming activity and foaming stability when used
with other surfactants. (I) is prepd. in a high purity without
purification process.

- (Dwg.0/3)

CN - 9710-B4301-N 9710-B4301-P

IW - MIXTURE POLYOXYPROPYLENE FATTY ACID ALKANOL AMIDE COMPOUND THICKEN
FOAM STABILISED EMULSION SOLUBLE AGENT COSMETIC MATERIAL WASHING
COMPOSITION

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FOAM STABILISED EMULSION SOLUBLE AGENT COSMETIC MATERIAL WASHING
COMPOSITION

NC - 001

OPD - 1995-06-13

ORD - 1996-12-24

(C) WPI/Derwent

PAW - (KAWF) KAWAKEN FINE CHEM CO LTD

TI - Mixt. of polyoxypropylene fatty acid alkanol:amide cpd. - used as thickener, foaming stabiliser, emulsifier, solubilising agent, cosmetic material or washing compsns.

**A01 - [001] 018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73 D82 F47 ;
R00370 G1558 D01 D11 D10 D23 D22 D31 D42 D50 D73 D83 F47 ; P8004
P0975 P0964 D01 D10 D11 D50 D82 F34 ; P0055 ; H0000 ; H0011-R ;
H0237-R ; M9999 M2028 ; L9999 L2391 ; L9999 L2028 ; M9999 M2813
- [002] 018 ; ND01 ; ND04 ; Q9999 Q9110 ; Q9999 Q9347 ; Q9999
Q9165-R ; Q9999 Q7034-R ; B9999 B5607 B5572 ; B9999 B4535 ; B9999
B3532 B3372 ; B9999 B3554-R ; B9999 B4488 B4466 ; B9999 B4900 B4740
- [003] 018 ; D01 D11 D10 D50 D93 F27 F26 F93 F70 ; H0226
- [004] 018 ; D67 ; R01068 D01 D11 D10 D50 D61 D81 F27 F26 Na 1A ;
C999 C271 ; C999 C102 C000**